

Application No.: 10/644,874
Amdt. Dated: July 5, 2007
Reply to Office Action Dated: April 5, 2007

Attorney Docket No. CMED.10135
Page 2 of 17

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application: **RECEIVED
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Listing of Claims:

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Claim 1 (Currently amended): A monomeric adhesive composition comprising: a polymerizable cyanoacrylate monomer, and an antimicrobial agent, wherein said antimicrobial agent is a halogenated phenolic active compound selected from the group consisting of parachlorometaxilenol, p-chlorophenol, 2-chlorophenol, 3-chlorophenol, 4-chlorophenol, 2,4-dichlorophenol, 2,4,6-trichlorophenol, 2,3,4,6-tetrachlorophenol, pentachlorophenol, 4-chlororesorcinol, 4,6-dichlororesorcinol, 2,4,6-trichlororesorcinol, cyclohexyl p-chlorophenol, ~~o-benzyl p-chlorophenol~~, o-benzyl-m-methyl p-chlorophenol, o-benzyl-m,m-dimethyl p-chlorophenol, o-phenylethyl p-chlorophenol, o-phenylethyl-m-methyl p-chlorophenol, dichloro-m-xilenol, ~~o-benzyl p-chlorophenol~~, 3,4,6-trichlorophenol, 4-chloro-2-phenylphenol, 6-chloro-2-phenylphenol, ~~o-benzyl p-chlorophenol~~, 2,4-dichloro-3,5-diethylphenol, p-bromophenol, methyl p-bromophenol, ethyl p-bromophenol, n-propyl p-bromophenol, n-butyl p-bromophenol, n-amyl p-bromophenol, sec-amyl p-bromophenol, n-hexyl p-bromophenol, cyclohexyl p-bromophenol, o-bromophenol, tert-amyl o-bromophenol, n-hexyl o-bromophenol, n-propyl-m,m-dimethyl o-bromophenol, 2,2'-methylene bis (4-chloro-6-bromophenol); and mixtures thereof.

Claim 2 (Cancelled).

Claim 3 (Cancelled).

Claim 4 (Cancelled).

Claim 5 (Cancelled).

Claim 6 (Cancelled).

Claim 7 (Original): The composition of claim 1, wherein said antimicrobial agent is soluble in said monomer at room temperature and substantially all of said monomer remains stable for at least five minutes after forming the composition.

Application No.: 10/644,874
Amdt. Dated: July 5, 2007
Reply to Office Action Dated: April 5, 2007

Attorney Docket No. CMED.10135
Page 3 of 17

Claim 8 (Original): The composition of claim 1, wherein said antimicrobial agent is compatible with sterilization processing of said composition.

Claim 9 (Original): The composition of claim 1, wherein said composition remains stable for at least one hour after forming the composition.

Claim 10 (Original): The composition of claim 1, wherein said composition remains stable for at least twenty-four hours after forming the composition.

Claim 11 (Original): The composition of claim 1, wherein said composition remains stable for at least eighteen months after forming the composition.

Claim 12 (Original): The composition of claim 1, wherein said anti-microbial agent does not substantially affect the polymerization rate of the monomer.

Claim 13 (Cancelled).

Claim 14 (Cancelled).

Claim 15 (Original): The composition of claim 1, wherein said composition is sterile.

Claim 16 (Currently amended): A method of making a monomeric adhesive composition, comprising mixing an antimicrobial agent with a polymerizable cyanoacrylate monomer, wherein said antimicrobial agent is a phenolic active compound selected from the group consisting of parachloromctaxilenol, p-chlorophenol, 2-chlorophenol, 3-chlorophenol, 4-chlorophenol, 2,4-dichlorophenol, 2,4,6-trichlorophenol, 2,3,4,6-tetrachlorophenol, pentachlorophenol, 4-chlororesorcinol, 4,6-dichlororesorcinol, 2,4,6-trichlororesorcinol, cyclohexyl p-chlorophenol, ~~o-benzyl p-chlorophenol~~, o-benzyl-m-methyl p-chlorophenol, o-benzyl-m,m-dimethyl p-chlorophenol, o-phenylethyl p-chlorophenol, o-phenylethyl-m-methyl p-chlorophenol, dichloro-m-xilenol, ~~o-benzyl p-chlorophenol~~, 3,4,6-trichlorophenol, 4-chloro-2-phenylphenol, 6-chloro-2-phenylphenol, ~~o-benzyl p-chlorophenol~~, 2,4-dichloro-3,5-diethylphenol, p-bromophenol, methyl p-bromophenol, ethyl p-bromophenol, n-propyl p-

Application No.: 10/644,874
Amdt. Dated: July 5, 2007
Reply to Office Action Dated: April 5, 2007

Attorney Docket No. CMED.10135
Page 4 of 17

bromophenol, n-butyl p-bromophenol, n-amyl p-bromophenol, sec-amyl p-bromophenol, n-hexyl p-bromophenol, cyclohexyl p-bromophenol, o-bromophenol, tert-amyl o-bromophenol, n-hexyl o-bromophenol, n-propyl-m,m-dimethyl o-bromophenol, 2,2'-methylene bis (4-chloro-6-bromophenol), and mixtures thereof.

Claim 17 (Cancelled).

Claim 18 (Cancelled).

Claim 19 (Cancelled).

Claim 20 (Cancelled).

Claim 21 (Original): The method of claim 16, wherein said antimicrobial agent is soluble in said monomer at room temperature and substantially all of said monomer remains stable for at least five minutes after forming the composition.

Claim 22 (Original): The method of claim 16, wherein said antimicrobial agent is compatible with sterilization processing of said composition.

Claim 23 (Cancelled).

Claim 24 (Cancelled).

Claim 25 (Original): The method of claim 16, wherein said composition is sterile.

Claim 26 (Currently amended): A method of making a sterile, antimicrobial adhesive composition comprising:

placing a mixture of a polymerizable cyanoacrylate monomer and an antimicrobial agent in a container, wherein said antimicrobial agent is a halogenated phenolic active compound selected from the group consisting of parachlorometaxylenol, p-chlorophenol, 2-chlorophenol, 3-chlorophenol, 4-chlorophenol, 2,4-dichlorophenol, 2,4,6-trichlorophenol, 2,3,4,6-tetrachlorophenol, pentachlorophenol, 4-chlororesorcinol, 4,6-dichlororesorcinol,

Application No.: 10/644,874

Amdt. Dated: July 5, 2007

Reply to Office Action Dated: April 5, 2007

Attorney Docket No. CMEID.10135

Page 5 of 17

2,4,6- trichlororesorcinol, cyclohexyl p-chlorophenol, ~~o-benzyl p-chlorophenol~~, o-benzyl-m-methyl p-chlorophenol, o-benzyl-m,m-dimethyl p-chlorophenol, o-phenylethyl p-chlorophenol, o-phenylethyl-m-methyl p-chlorophenol, dichloro-m-xilenol, ~~o-benzyl p-chlorophenol~~, 3,4,6-trichlorophenol, 4-chloro-2-phenylphenol, 6-chloro-2-phenylphenol, ~~o-benzyl p-chlorophenol~~, 2,4- dichloro-3,5-diethylphenol, p-bromophenol, methyl p-bromophenol, ethyl p-bromophenol, n-propyl p-bromophenol, n-butyl p-bromophenol, n-amyl p-bromophenol, sec-amyl p-bromophenol, n-hexyl p-bromophenol, cyclohexyl p-bromophenol, o-bromophenol, tert-amyl o-bromophenol, n-hexyl o-bromophenol, n-propyl-m,m-dimethyl o-bromophenol, 2,2'-methylene bis (4-chloro-6-bromophenol), and mixtures thereof, sealing said container, and

sterilizing the mixture in the container,
wherein said mixture remains stable for at least five minutes after forming the mixture.

Claim 27 (Original): The method of claim 26, wherein said sterilizing is performed by dry heat, moist heat, gamma irradiation, electron beam irradiation, microwave irradiation, or retort canning.

Claim 28 (Currently amended): A method of applying a monomeric adhesive composition, comprising:

applying a monomeric adhesive composition comprising a polymerizable cyanoacrylate monomer and an antimicrobial agent selected from the group consisting of parachlorometaxylenol, p-chlorophenol, 2-chlorophenol, 3-chlorophenol, 4-chlorophenol, 2,4-dichlorophenol, 2,4,6-trichlorophenol, 2,3,4,6-tetrachlorophenol, pentachlorophenol, 4-chlororesorcinol, 4,6-dichlororesorcinol, 2,4,6-trichlororesorcinol, cyclohexyl p-chlorophenol, ~~o-benzyl p-chlorophenol~~, o-benzyl-m-methyl p-chlorophenol, o-benzyl-m,m-dimethyl p-chlorophenol, o-phenylethyl p-chlorophenol, o-phenylethyl-m-methyl p-chlorophenol, dichloro-m-xilenol, ~~o-benzyl p-chlorophenol~~, 3,4,6-trichlorophenol, 4-chloro-2-phenylphenol, 6-chloro-2-phenylphenol, ~~o-benzyl p-chlorophenol~~, 2,4-dichloro-3,5-diethylphenol, p-bromophenol, methyl p-bromophenol, ethyl p-bromophenol, n-propyl p-bromophenol, n-butyl p-bromophenol, n-amyl p-bromophenol, sec-amyl p-bromophenol, n-hexyl p-bromophenol, cyclohexyl p-bromophenol, o-bromophenol, tert-amyl o-bromophenol, n-hexyl o-bromophenol, n-propyl-m,m-dimethyl o-bromophenol, 2,2'-methylene bis (4-chloro-6-bromophenol), and mixtures thereof to a tissue surface; and

Application No.: 10/644,874

Amdt. Dated: July 5, 2007

Reply to Office Action Dated: April 5, 2007

Attorney Docket No. CMED.10135

Page 6 of 17

allowing the monomeric adhesive composition to polymerize on said tissue surface.

Claim 29 (Original): A polymer film formed by polymerizing the monomer in the composition of claim 1.